

IN THE CLAIMS:

Please amend claims 1- 50 submitted with Amendments made under Rule 34 as follows:

1. (Currently Amended) ~~Sharpener~~ A sharpener for pencils-~~(16)~~, and especially for pencils-~~(16)~~ with a rotation-symmetrical cartridge or for pencils-~~(16)~~ whose cartridge is arranged inside of a cartridge carrier, whose cross-section runs perpendicular to the length axis is non-hexagonal and non-circular, ~~with~~ comprising:

- at least one housing-~~(10)~~;
- a cutting device that is connected with this housing;
- a holding device for the pencil-~~(16)~~ that is at least partially contained in the housing; and
- a force feed device which guides the holding device along a pre-determined movement path in this housing.

2. (Currently Amended) ~~Sharpener as described in~~ The sharpener of claim 1 characterized by the fact that ~~this~~ said force feeder has at least one feed element and at least one feed track into which ~~this~~ said feed element is inserted.

3. (Currently Amended) ~~Sharpener as described in~~ The sharpener of claim 2 characterized by the fact that the feed element is a feed pencil.

4. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~The sharpener of claim 2 characterized by the fact that the feed track is a groove.

5. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~The sharpener of claim 2 characterized by the fact that the shape of the feed track essentially matches the outer contour of ~~the~~a cross-section surface of ~~the~~a cutting surface that creates contact between the cutting device and the pencil-(16).

6. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~The sharpener of claim 1 characterized by a feed disk, which runs outward in a radial direction from the holding device and has at least one groove for receiving a feed element which is arranged firmly opposite the housing-(10).

7. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~The sharpener of claim 1 characterized by the fact that the cutting device is arranged firmly opposite the housing-(10).

8. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~The sharpener of claim 1 characterized by the fact that the pencil-(16) in the holding device is contained in ~~this~~the holding device in a rotationally fixed manner and the holding device is arranged opposite the cutting device in a movable manner.

9. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that the pencil-(16) is contained in  
the holding device in the direction of the pencil length axis and is movable in an axial  
direction.

10. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that the pencil-(16) is guided  
opposite the cutting device by means of a force-feed device upon sharpening in such a way  
that the free angle is between  $2^{\circ}$  and  $10^{\circ}$ .

11. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 10 characterized by the fact that the free angle is essentially  
constant when sharpening the pencil-(16).

12. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 2 characterized by the fact that at least one sealing device is  
used to insulate the feed tracks.

13. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that that sharpener-(1) is made at  
least partially from synthetic materials.

14. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that there is at least one container  
for receiving shavings.

15. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that ~~this~~ the sharpener can be used  
to generate non-rotation symmetrical cutting surfaces.

16. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that ~~the~~ a feed disk is guided  
between two plane surfaces whereby ~~these~~ the plane surfaces prevent movement of the  
feed disk in an axial direction.

17. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that there is cover device ~~(14)~~ for  
at least partial covering of an opening in the housing ~~(1)~~, through which the pencil ~~(16)~~ can  
be inserted into the interior of the housing, whereby this cover is spring-loaded and lays on  
the housing.

18. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that there is a rotation compartment

(110) at least partially in the housing (106) and moves there upon rotation around the length axis on a pre-determined path.

19. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 18 characterized by the fact that the rotation compartment (110) has a feed casing (114) in which a pencil (116) can move in an axial direction, whereby a rotation of the pencil (116) around its length axis (118) causes the rotation of the rotation compartment (110) with the feed casing (114).

20. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 18 characterized by the fact that the rotation compartment (110) has a feed casing (114) and cams (120a, 120b, 120c, 120d, 120e, 120f, 120g, 120h) connected firmly with this casing.

21. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 18 characterized by the fact that the rotation compartment (110) as at least three cams.

22. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 20 characterized by the fact that the interior space (106a) of the

housing (103) is equipped with cam feeds ~~(122a, 122b, 122c, 122d, 122e, 122f, 122g, 122h)~~ which work together with the cams ~~(120a, 120b, 120c, 120d, 120e, 120f, 120g, 120h)~~.

23. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 22 characterized by the fact that at least one of the cam feeds ~~(122a, 122b, 122c, 122d, 122e, 122f, 122g, 122h)~~ has a section facing one of the cams ~~(120a) thru (120h)~~, which runs essentially straight or evenly.

24. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 20 characterized by the fact that at least one of the cams ~~(120a) thru (120h)~~ is formed by a part of the exterior surface ~~(114b)~~ of the feed casing ~~(114)~~.

25. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 20 characterized by the fact that the cams ~~(120a) thru (120h)~~ are formed elliptically or asymmetrically.

26. (Currently Amended) ~~Sharpener as described one of the preceding claims~~ The sharpener of claim 22 characterized by the fact that at least three cams ~~(120a) thru (120h)~~ and cam feeds ~~(122a) thru (122h)~~ face each other and essentially define the position of the rotation compartment ~~(11)~~ uniquely at each rotation angle.

27. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 20 characterized by the fact that the rotation compartment  
(110) has at least two groups (242, 244) of cams (120a, 120b, 120c, 120d; 120e, 120f, 120g,  
120h) and are spaced from each other in an axial direction.

28. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 18 characterized by the fact that the rotation compartment  
(110) can be moved in an axial direction in a maximum of three positions in the housing  
whereby the position is defined by an angle range that is preferably less than 10 degrees or  
preferably less than 5 degrees, or preferably less than 3 degrees or preferably less than 2  
degrees or preferably less than 1 degree.

29. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that the pencil point, upon rotation  
around the length axis (118) at each rotation position lays on the blade edge (113a) of the  
knife blade (112).

30. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that a rotation compartment (110)  
is provided that has a feed casing (114) in which a pencil (562) can be received, in particular

in a form-fitting manner) and a support section-(430) that can be used to support this rotation compartment-(110) in an axial direction.

31. (Currently Amended) ~~Sharpener as described one of the preceding claims~~The sharpener of claim 30 characterized by the fact that the support section-(430) is formed as a section running in a radial direction.

32. (Currently Amended) ~~Sharpener as described one of the preceding claims~~The sharpener of claim 1 characterized by the fact that the feed casing-(114) has a non-constant wall thickness in the perimeter direction.

33. (Currently Amended) ~~Sharpener as described one of the preceding claims~~The sharpener of claim 30 characterized by the fact that the path of the wall strength of the feed casing-(114) in the perimeter direction influences the shape of the point-(560) of the pencil-(562) to a be sharpened.

34. (Currently Amended) ~~Sharpener as described one of the preceding claims~~The sharpener of claim 31 characterized by the fact that the support section-(430) is formed to be plate-like.



35. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 30 characterized by the fact that that support section-(430) is  
arranged at the end of the feed casing-(114) in an axial direction.

36. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 30 characterized by the fact that the support section-(430) is  
supported on a housing section, in particular in an axial direction, and in particular on a  
housing wall section that runs essentially in a radial direction.

37. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that a housing compartment-(108) is  
provided.

38. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 37 characterized by the fact that the housing compartment  
(108) is configured in a multi-part fashion, in particular as a two-piece construction.

39. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 37 characterized by the fact that the housing compartment  
(108) has a separation layer this is aligned essentially perpendicular to the length axis.

40. ~~(Currently Amended) Sharpener as described one of the preceding claims~~ The sharpener of claim 37 characterized by the fact that at least three cam feed surfaces ~~(448, 450, 452)~~ are arranged on or in the housing compartment ~~(108)~~.

41. ~~(Currently Amended) Sharpener as described one of the preceding claims~~ The sharpener of claim 37 characterized by the fact that at least two cams ~~(438, 440, 442)~~ are arranged within the housing compartment ~~(108)~~.

42. ~~(Currently Amended) Sharpener as described one of the preceding claims~~ The sharpener of claim 37 characterized by the fact that ~~a~~ at least one cam ~~(438, 440, 442)~~ is supported on the housing compartment ~~(108)~~ in an axial direction and, in particular, on the interior side of the housing compartment ~~(108)~~.

43. ~~(Currently Amended) Sharpener as described one of the preceding claims~~ The sharpener of claim 37 characterized by the fact that in the housing compartment ~~(108)~~, there are at least two cam feeds ~~(448, 450, 452)~~.

44. ~~(Currently Amended) Sharpener as described one of the preceding claims~~ The sharpener of claim 37 characterized by the fact that the housing compartment ~~(108)~~ has a wall ~~(458, 460)~~ on both sides in an axial direction that runs essentially in a radial

direction, each of which is provided with an opening, preferably elliptical, through which ~~the~~a feed casing-(114) can be inserted.

45. (Currently Amended) ~~Sharpener as described one of the preceding claims~~The sharpener of claim 30 characterized by the fact that the support section (430) is supported in an axial direction on a wall-(458, 460) of ~~the~~a housing compartment-(108) that runs in a radial direction.

46. (Currently Amended) ~~Sharpener as described one of the preceding claims~~The sharpener of claim 45 characterized by the fact that a wall of an opening-(456) that is provided in ~~a~~the wall-(458) of the housing compartment-(108) running in a radial direction, is a feed surface.

47. (Currently Amended) ~~Sharpener as described one of the preceding claims~~The sharpener of claim 41 characterized by the fact that at least one cam-(438, 440, 442), and in particular a cam seat-(434), such as a one-piece cam seat-(434) with several cams (438, 440, 442)-has an opening inside in a radial direction that runs in an axial direction and this cam-(438, 440, 442) or this cam set-(434) with this opening is placed on the feed casing (114).

48. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 30 characterized by the fact that at least three cams (~~438, 440,~~  
~~442~~) are connected with the feed casing as one piece (~~114~~).

49. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that the housing (~~103~~) is insulated  
either on ~~the~~ an end wall or on both walls.

50. (Currently Amended) ~~Sharpener as described one of the preceding~~  
~~claims~~ The sharpener of claim 1 characterized by the fact that at least two cam feeds (~~448,~~  
~~450, 452~~) are arranged toward each other at an angle of 120 degrees.